

SHN Engineers and Scientists

January 05, 2005

812 West Wabash
Eureka, CA 95501-2138
Attn.: Mike Foget
Project#: 098179.304
Project: Conoco Phillips Site # 0201
Site: 1200 Railroad Ave., Eureka, CA 95501

Attached is our report for your samples received on 12/21/2004 09:05
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
02/04/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

January 4, 2005

STL LOT NUMBER: **E4L230158**
PO/CONTRACT: 2004-12-0726

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on December 22, 2004. These samples are associated with your COP SITE #0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000019

This report contains _____ pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,



Beth Riley
Project Manager

cc: Project File



STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com



**STL****Chain of Custody**

E4L230158
Date Shipped: 12/21/2004
2004-12-0726 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

To:

STL Los Angeles - Sub contract
1721 South Grand Avenue
Santa Ana, CA 92705

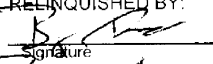
Phone: (714) 258-8610 Ext:
Fax: (714) 258-0921
Contact: Sample Control
Phone: (714) 258-8610 Ext:

CL Submission #: 2004-12-0726
CL PO #:

Project #: 098179.304
Project Name: Conoco Phillips Site # 0201

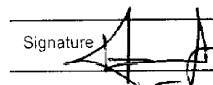
Client Sample ID	CL#	Sampled	Matrix	
Analysis			Method	TAT
EXS EFF	1	12/17/2004 10:50:00AM	Air	
Subcontract - TO-14 (Air samples)			TO-14	5 Day
/*PLEASE INCLUDE GAS, BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DICHLOR ETHYLENE, METHYL CHLORIDE.*/				
EXS INF	2	12/17/2004 11:05:00AM	Air	
Subcontract - TO-14 (Air samples)			TO-14	5 Day
/*PLEASE INCLUDE GAS, BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DICHLOR ETHYLENE, METHYL CHLORIDE.*/				
CAR EFF	3	12/17/2004 11:10:00AM	Air	
Subcontract - TO-14 (Air samples)			TO-14	5 Day
/*PLEASE INCLUDE GAS, BENZENE, VINYL CHLORIDE, TRICHLOR ETHYLENE, DICHLOR ETHYLENE, METHYL CHLORIDE.*/				

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY:	1.
Signature 	Time 15:00
Printed Name Bryan Thongss	Date 12/21/04
Company STL-SF	

RELINQUISHED BY:	2.
Signature	Time
Printed Name	Date
Company	

RELINQUISHED BY:	3.
Signature	Time
Printed Name	Date
Company	

RECEIVED BY:	1.
Signature 	Time 12:30
Printed Name R. FREITAG	Date 12/21/04
Company STL LA	

RECEIVED BY:	2.
Signature	Time
Printed Name	Date
Company	

RECEIVED BY:	3.
Signature	Time
Printed Name	Date
Company	



STL

Analytical Report

THIS IS NOT AN INVOICE

BILL TO:
Dimple Sharma
STL San Francisco
1220 Quarry Lane, CA 94566

REPORT SENT TO:
Dimple Sharma
STL San Francisco
1220 Quarry Lane, CA 94566

PHONE: 925 484-1919 FAX: 925 484-1096

PHONE: 925 484-1919 FAX: 925 484-1096

LOT ID. : E4L230158 QUOTE: 061027
P.O. NUMBER : 2004-12-0726
SAMPLE RECEIVING DATE : 12/22/04
PROJECT NUMBER : 098179.304
SAMPLING SITE : COP SITE #0201
REPORT RECIPIENT : Dimple Sharma
REPORT DATE : 1/04/05

QUANT	PARAMETER	UNIT COST	AMOUNT
3	AIR, Summa Canister Rental (6 liter)	50.00	150.00
3	AIR, TO-14A, ConocoPhillips Site #0201	135.00	<u>405.00</u>
			555.00

ANALYTICAL REPORT

PROJECT NO. 098179.304

COP SITE #0201

Lot #: E4L230158

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley

Project Manager

January 4, 2005

EXECUTIVE SUMMARY - Detection Highlights

E4L230158

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EXS INF 12/17/04 11:05 002				
Benzene	2000	16	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	100000	4100	ppb (v/v)	EPA-21 TO-14A
CAR EFF 12/17/04 11:10 003				
Benzene	70	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	5200	500	ppb (v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E4L230158

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E4L230158

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
G1Q2E	001	EXS	EFF	12/17/04	10:50
G1Q2F	002	EXS	INF	12/17/04	11:05
G1Q2G	003	CAR	EFF	12/17/04	11:10

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: EXS EFF

GC/MS Volatiles

Lot-Sample #....: E4L230158-001 Work Order #....: G1Q2E1AA Matrix.....: AE
 Date Sampled....: 12/17/04 Date Received...: 12/22/04
 Prep Date.....: 12/30/04 Analysis Date...: 12/30/04
 Prep Batch #....: 5003465
 Dilution Factor: 1
 Analyst ID.....: 117751 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb (v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb (v/v)	0.50
Methylene chloride	ND	2.0	ppb (v/v)	0.80
Tetrachloroethene	ND	2.0	ppb (v/v)	0.60
TPH (as Gasoline)	ND	500	ppb (v/v)	100
Trichloroethene	ND	2.0	ppb (v/v)	0.50
Vinyl chloride	ND	2.0	ppb (v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: EKS INF

GC/MS Volatiles

Lot-Sample #....: E4L230158-002 Work Order #....: G1Q2F1AA Matrix.....: AE
 Date Sampled....: 12/17/04 Date Received...: 12/22/04
 Prep Date.....: 12/30/04 Analysis Date...: 12/30/04
 Prep Batch #....: 5003465
 Dilution Factor: 8.16
 Analyst ID.....: 117751 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	2000	16	ppb (v/v)	6.5
cis-1,2-Dichloroethene	ND	16	ppb (v/v)	6.5
trans-1,2-Dichloroethene	ND	16	ppb (v/v)	4.1
1,1-Dichloroethene	ND	16	ppb (v/v)	4.1
Methylene chloride	ND	16	ppb (v/v)	6.5
Tetrachloroethene	ND	16	ppb (v/v)	4.9
TPH (as Gasoline)	100000	4100	ppb (v/v)	820
Trichloroethene	ND	16	ppb (v/v)	4.1
Vinyl chloride	ND	16	ppb (v/v)	6.5

STL SAN FRANCISCO

Client Sample ID: CAR EFF

GC/MS Volatiles

Lot-Sample #...: E4L230158-003 Work Order #...: G1Q2G1AA Matrix.....: AE
 Date Sampled...: 12/17/04 Date Received...: 12/22/04
 Prep Date.....: 01/03/05 Analysis Date...: 01/03/05
 Prep Batch #...: 5004386
 Dilution Factor: 1
 Analyst ID.....: 117751 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	70	2.0	ppb (v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb (v/v)	0.50
Methylene chloride	ND	2.0	ppb (v/v)	0.80
Tetrachloroethene	ND	2.0	ppb (v/v)	0.60
TPH (as Gasoline)	5200	500	ppb (v/v)	100
Trichloroethene	ND	2.0	ppb (v/v)	0.50
Vinyl chloride	ND	2.0	ppb (v/v)	0.80

SEVERN
TRENT

STL

QA/QC

QC DATA ASSOCIATION SUMMARY

R4L230158

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AE	EPA-21 TO-14A		5003465	
002	AE	EPA-21 TO-14A		5003465	
003	AE	EPA-21 TO-14A		5004386	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E4L230158
MB Lot-Sample #: M5A030000-465

Work Order #...: G13RA1AA

Matrix.....: AIR

Analysis Date...: 12/30/04
Dilution Factor: 1

Prep Date.....: 12/30/04

Instrument ID...: MSB

Prep Batch #...: 5003465

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb (v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E4L230158
MB Lot-Sample #: M5A040000-386

Work Order #...: G14VT1AA

Matrix.....: AIR

Analysis Date...: 01/03/05
Dilution Factor: 1

Prep Date.....: 01/03/05

Instrument ID...: MSB

Prep Batch #...: 5004386

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb (v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E4L230158 Work Order #...: G13RA1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5A030000-465 G13RA1AD-LCSD
 Prep Date.....: 12/30/04 Analysis Date...: 12/30/04
 Prep Batch #...: 5003465
 Dilution Factor: 1 Instrument ID...: MSB
 Analyst ID.....: 117751

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
1,1-Dichloroethene	90	(70 - 125)			EPA-21 TO-14A
	89	(70 - 125)	1.7	(0-20)	EPA-21 TO-14A
Methylene chloride	106	(75 - 120)			EPA-21 TO-14A
	104	(75 - 120)	1.9	(0-20)	EPA-21 TO-14A
Trichloroethene	97	(70 - 125)			EPA-21 TO-14A
	98	(70 - 125)	0.99	(0-20)	EPA-21 TO-14A

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E4L230158 Work Order #...: G13RA1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5A030000-465 G13RA1AD-LCSD
 Prep Date.....: 12/30/04 Analysis Date...: 12/30/04
 Prep Batch #...: 5003465
 Dilution Factor: 1 Instrument ID...: MSB
 Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.5	45.5	ppb (v/v)	90		EPA-21 TO-14A
	50.5	44.7	ppb (v/v)	89	1.7	EPA-21 TO-14A
Methylene chloride	54.5	57.8	ppb (v/v)	106		EPA-21 TO-14A
	54.5	56.7	ppb (v/v)	104	1.9	EPA-21 TO-14A
Trichloroethene	49.5	47.9	ppb (v/v)	97		EPA-21 TO-14A
	49.5	48.3	ppb (v/v)	98	0.99	EPA-21 TO-14A

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E4L230158 Work Order #...: G14VT1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5A040000-386 G14VT1AD-LCSD
 Prep Date.....: 01/03/05 Analysis Date...: 01/03/05
 Prep Batch #...: 5004386
 Dilution Factor: 1 Instrument ID...: MSB
 Analyst ID.....: 117751

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	89	(70 - 125)			EPA-21 TO-14A
	88	(70 - 125)	1.5	(0-20)	EPA-21 TO-14A
Methylene chloride	105	(75 - 120)			EPA-21 TO-14A
	105	(75 - 120)	0.50	(0-20)	EPA-21 TO-14A
Trichloroethene	99	(70 - 125)			EPA-21 TO-14A
	100	(70 - 125)	1.9	(0-20)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E4L230158 Work Order #...: G14VT1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5A040000-386 G14VT1AD-LCSD
 Prep Date.....: 01/03/05 Analysis Date...: 01/03/05
 Prep Batch #...: 5004386
 Dilution Factor: 1 Instrument ID...: MSB
 Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.5	44.8	ppb (v/v)	89		EPA-21 TO-14A
	50.5	44.2	ppb (v/v)	88	1.5	EPA-21 TO-14A
Methylene chloride	54.5	57.1	ppb (v/v)	105		EPA-21 TO-14A
	54.5	57.4	ppb (v/v)	105	0.50	EPA-21 TO-14A
Trichloroethene	49.5	48.8	ppb (v/v)	99		EPA-21 TO-14A
	49.5	49.7	ppb (v/v)	100	1.9	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

STL-San Francisco ConocoPhillips Chain Of Custody Record 96847

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS:
2004-12-07-0726
ConocoPhillips Site Manager:
Attn: Olivia Perez
12300 W. Washington Blvd., Suite 212
Tomball, TX 77375

AMPLIFY COMPANY: SHN
ADDRESS: 812 W. Wabash Ave., Eureka, CA 95501
PROJECT CONTACT (If in copy or PUF Report to): Mike Fogt
TELEPHONE: (707) 441-3355 FAX: (707) 441-3377
EMPIER NAME(S) (Print): Josh Tyler
CONSULTANT PROJECT NUMBER: 098179-304

TURNAROUND TIME (CALENDAR DAYS):
14 DAYS ☐ 7 DAYS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS ☐

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EXOS IS NEEDED ☐

ConocoPhillips Work Order Number
ConocoPhillips Cost Object
ConocoPhillips Site Manager
E MAIL
JAB USE ONLY
SIGNAL ID NO.
CONCO/PHILLIPS SITE NUMBER
SITE ADDRESS (Street and City)
1200 Railroad Ave Eureka, CA 95501
EQUIPABLE TO (P or Designated)
PUMP NO.

Sample Identification/Field Point Name*	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.	8015m - TPHg/BTEX/MIB	8250B - TPHg/BTEX/8	8250B - TPHg/BTEX/8 Oxygenerates	8250B - TPHg/BTEX/8 Oxygenerates + methanol (8015m)	8250B - Full Scan VOCs (does not include Oxygenerates)	8270C - Semi-Volatiles	8015m - 8021B - TPHg/BTEX/MIB	Lead <input type="checkbox"/> Total <input type="checkbox"/> DTCLP	TO-14	Vinyl Chloride	Trichloroethylene	Benzene	Methyl Chloride	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT °C
Exs EFF	12/17/04	1105	air	1															
Exs INF	12/17/04	1105	air	1															
Car EFF	12/17/04	1110	air	1															

Received by (Signature): Joan Bullen
12-17-2004
Received by (Signature):
Received by (Signature):

SHN Engineers and Scientists

January 07, 2005

812 West Wabash
Eureka, CA 95501-2138
Attn.: Mike Foget
Project#: 098179.304
Project: ConocoPhillips site# 0201
Site: 1200 Railroad Ave., Eureka, CA

Attached is our report for your samples received on 12/21/2004 09:05
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
02/04/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager



Submission: 2004-12-0744

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EX EFF	12/17/2004 10:50	Water	1
AS EFF	12/17/2004 11:00	Water	2

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX EFF	Lab ID: 2004-12-0744 - 1
Sampled: 12/17/2004 10:50	Extracted: 12/27/2004 16:41
Matrix: Water	QC Batch#: 2004/12/27-1F.62
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	13000	250	ug/L	5.00	12/27/2004 16:41	
Benzene	24	2.5	ug/L	5.00	12/27/2004 16:41	
Toluene	12	2.5	ug/L	5.00	12/27/2004 16:41	
Ethylbenzene	41	2.5	ug/L	5.00	12/27/2004 16:41	
Total xylenes	140	5.0	ug/L	5.00	12/27/2004 16:41	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	12/27/2004 16:41	
Surrogate(s)						
1,2-Dichloroethane-d4	102.4	73-130	%	5.00	12/27/2004 16:41	
Toluene-d8	94.5	81-114	%	5.00	12/27/2004 16:41	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: AS EFF	Lab ID: 2004-12-0744 - 2
Sampled: 12/17/2004 11:00	Extracted: 12/28/2004 16:12
Matrix: Water	QC Batch#: 2004/12/28-1B.65
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	17000	500	ug/L	10.00	12/28/2004 16:12	
Benzene	ND	5.0	ug/L	10.00	12/28/2004 16:12	
Toluene	ND	5.0	ug/L	10.00	12/28/2004 16:12	
Ethylbenzene	ND	5.0	ug/L	10.00	12/28/2004 16:12	
Total xylenes	ND	10	ug/L	10.00	12/28/2004 16:12	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	12/28/2004 16:12	
Surrogate(s)						
1,2-Dichloroethane-d4	105.9	73-130	%	10.00	12/28/2004 16:12	
Toluene-d8	99.1	81-114	%	10.00	12/28/2004 16:12	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/12/27-1F.62

MB: 2004/12/27-1F.62-027

Date Extracted: 12/27/2004 07:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/27/2004 07:27	
Benzene	ND	0.5	ug/L	12/27/2004 07:27	
Toluene	ND	0.5	ug/L	12/27/2004 07:27	
Ethylbenzene	ND	0.5	ug/L	12/27/2004 07:27	
Total xylenes	ND	1.0	ug/L	12/27/2004 07:27	
Surrogates(s)					
1,2-Dichloroethane-d4	100.6	73-130	%	12/27/2004 07:27	
Toluene-d8	98.8	81-114	%	12/27/2004 07:27	
GRO (C6-C12)	ND	50	ug/L	12/27/2004 07:27	

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12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/12/28-1B.65-013

Water

Test(s): 8260B

QC Batch # 2004/12/28-1B.65

Date Extracted: 12/28/2004 08:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/28/2004 08:13	
Benzene	ND	0.5	ug/L	12/28/2004 08:13	
Toluene	ND	0.5	ug/L	12/28/2004 08:13	
Ethylbenzene	ND	0.5	ug/L	12/28/2004 08:13	
Total xylenes	ND	1.0	ug/L	12/28/2004 08:13	
Surrogates(s)					
1,2-Dichloroethane-d4	98.8	73-130	%	12/28/2004 08:13	
Toluene-d8	92.8	81-114	%	12/28/2004 08:13	
GRO (C6-C12)	ND	50	ug/L	12/28/2004 08:13	

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/12/27-1F.62

LCS 2004/12/27-1F.62-005

Extracted: 12/27/2004

Analyzed: 12/27/2004 07:05

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.0		25	80.0			65-165	20		
Benzene	21.8		25	87.2			69-129	20		
Toluene	22.3		25	89.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	470		500	94.0			73-130			
Toluene-d8	489		500	97.8			81-114			

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/12/28-1B.65

LCS 2004/12/28-1B.65-047

Extracted: 12/28/2004

Analyzed: 12/28/2004 07:47

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.7		25	94.8			65-165	20		
Benzene	25.1		25	100.4			69-129	20		
Toluene	25.4		25	101.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	421		500	84.2			73-130			
Toluene-d8	475		500	95.0			81-114			

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12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/12/27-1F.62

MS/MSD

Lab ID: 2004-12-0692 - 003

MS: 2004/12/27-1F.62-011

Extracted: 12/27/2004

Analyzed: 12/27/2004 09:11

Dilution: 1.00

MSD: 2004/12/27-1F.62-032

Extracted: 12/27/2004

Analyzed: 12/27/2004 09:32

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	29.3	34.2	1.28	25	112.1	136.8	19.8	65-165	20		
Benzene	28.5	29.0	ND	25	114.0	116.0	1.7	69-129	20		
Toluene	29.6	30.1	ND	25	118.4	120.4	1.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	484	483		500	96.8	96.6		73-130			
Toluene-d8	492	495		500	98.4	99.0		81-114			

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12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

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Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/12/28-1B.65

MS/MSD

Lab ID: 2004-12-0720 - 002

MS: 2004/12/28-1B.65-029

Extracted: 12/28/2004

Analyzed: 12/28/2004 11:29

Dilution: 1.00

MSD: 2004/12/28-1B.65-054

Extracted: 12/28/2004

Analyzed: 12/28/2004 11:54

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	76.2	65.7	49.5	25	106.8	64.8	49.0	65-165	20		R1,M5
Benzene	27.7	22.2	ND	25	110.8	88.8	22.0	69-129	20		R4
Toluene	26.9	22.2	ND	25	107.6	88.8	19.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	441	420		500	88.2	84.0		73-130			
Toluene-d8	488	466		500	97.6	93.2		81-114			

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12/29/2004 16:24

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

R4

RPD exceeded method control limit; % recoveries within limits.



Submission: 2004-12-0744

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EX EFF	12/17/2004 10:50	Water	1
AS EFF	12/17/2004 11:00	Water	2

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

A part of Severn Trent Plc

01/06/2005 12:49

Page 1 of 6

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	EX EFF	Lab ID:	2004-12-0744 - 1
Sampled:	12/17/2004 10:50	Extracted:	12/28/2004 12:01
Matrix:	Water	QC Batch#:	2004/12/28-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2000	50	ug/L	1.00	12/29/2004 22:46	Q2
Surrogate(s)						
o-Terphenyl	96.2	60-130	%	1.00	12/29/2004 22:46	

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	AS EFF	Lab ID:	2004-12-0744 - 2
Sampled:	12/17/2004 11:00	Extracted:	12/28/2004 12:01
Matrix:	Water	QC Batch#:	2004/12/28-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1400	50	ug/L	1.00	12/30/2004 00:59	Q2
Surrogate(s)						
o-Terphenyl	102.8	60-130	%	1.00	12/30/2004 00:59	

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Method Blank

Water

QC Batch # 2004/12/28-5A.10

MB: 2004/12/28-5A.10-001

Date Extracted: 12/28/2004 15:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/29/2004 18:38	
Surrogates(s)					
o-Terphenyl	98.6	60-130	%	12/29/2004 18:38	

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2004/12/28-5A.10

LCS 2004/12/28-5A.10-002

Extracted: 12/28/2004

Analyzed: 12/29/2004 12:43

LCSD 2004/12/28-5A.10-003

Extracted: 12/28/2004

Analyzed: 12/29/2004 13:10

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	812	798	1000	81.2	79.8	1.7	60-130	25		
Surrogates(s)										
o-Terphenyl	19.7	18.8	20.0	98.6	93.9		60-130			

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/06/2005 12:49

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

ConocoPhillips site# 0201

Received: 12/21/2004 09:05

Site: 1200 Railroad Ave., Eureka, CA

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

STL-San Francisco

1220 Quarry Lane
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Chain Of Custody Record

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS

Attn: Olivia Perez

1220 W. Washington, Suite 212

Tempe, AZ 85281

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE 12/17/04

PAGE 1 of 1

CONOCOPHILLIPS SITE ID

CONOCOPHILLIPS SITE ID NUMBER

GLOBAL ID NO.

SHN

0201

CONOCOPHILLIPS SITE MANAGER

LAB USE ONLY

ADDRESS:

812 W. Webster Ave CA 95501

PROJECT CONTACT (Please copy or PDF Report to:

Mike Eggert

TELEPHONE:

(925) 484-8855 (925) 484-8877

FAX:

CONSULTANT PROJECT NUMBER

SAMPLER NUMBER (Print)

Dustin Tibbets

058179.304

TURNDOWN TIME (CALENDAR DAYS)

14 DAYS ☐ 7 DAYS ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ LESS THAN 24 HOURS

CHECK BOX IF FURNISHED

SPECIAL INSTRUCTIONS OR NOTES:

Field Point Name only required if different from Sample ID

LAB USE ONLY

Sample Identification/Field Point Name

DATE

TIME

MATRIX

NO. OF

CONC.

8015m - TPHd Extractable

8260B - TPHg/BTEX/MtBE

8260B - TPHg / BTEX / 8

Oxygenates

8260B - TPHg / BTEX / 8

oxygenates + methanol (8015M)

8260B - Full Scan VOCs (does not

include oxygenates)

8270C - Semi-Volatiles

8015M / 8021B - TPHg/BTEX/MtBE

Lead ☐ Total ☐ STLC ☐ TGLP

TPHD

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

FIELD NOTES:

Confidential/Reservative
or PID Readings
or Laboratory Notes

TEMPERATURE ON RECEIPT °C

12

Please return

codes,

Thank you

Received by (Signature)

Dustin Tibbets

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

Received by (Signature)

SHN Engineers and Scientists

January 31, 2005

812 West Wabash
Eureka, CA 95501-2138
Attn.: Mike Foget
Project#: 098179-304
Project: ConocoPhillips site#0201
Site: 1200 Railroad Ave., Eureka, CA 95501

Attached is our report for your samples received on 01/18/2005 10:37
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
03/04/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager



STL

January 25, 2005

STL LOT NUMBER: **E5A200249**
PO/CONTRACT: 2005-01-0435

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on January 19, 2005. These samples are associated with your CONOCO PHILLIPS #0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the cooler received for this project can be found on the Project Receipt Checklist. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000015

This report contains _____ pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,


Beth Riley
Project Manager

cc: Project File





STL

Chain of Custody

ESA 200249
Date Shipped: 1/18/2005

2005-01-0435 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager: Dimple Sharma
Phone: (925) 484-1919
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

To:

STL Los Angeles - Sub contract
1721 South Grand Avenue
Santa Ana, CA 92705

Phone: (714) 258-8610
Fax: (714) 258-0921
Contact: Sample
Phone: (714) 258-8610

Ext:
Ext:
Control
Ext:

CL Submission #: 2005-01-0435

Project #: 098179-304

CL PO #:

Project Name: ConocoPhillips site#0201

Client Sample ID	CL#	Sampled	Matrix	TAT
Analysis			Method	
EXS EFF	1	1/14/2005 2:50:00PM	Air	
Subcontract - TO-14 (Air samples) /* Include Benzene, Vinyl Chloride, Trichl Ethylene, Dichlor Ethylene, Methyl Chloride */				
			TO-14	5 Day
EXS INF	2	1/14/2005 2:55:00PM	Air	
Subcontract - TO-14 (Air samples) /* Include Benzene, Vinyl Chloride, Trichl Ethylene, Dichlor Ethylene, Methyl Chloride */				
			TO-14	5 Day
CAR EFF	3	1/14/2005 3:00:00PM	Air	
Subcontract - TO-14 (Air samples) /* Include Benzene, Vinyl Chloride, Trichl Ethylene, Dichlor Ethylene, Methyl Chloride */				
			TO-14	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY:	1.
Signature	14:30
Printed Name	1/18/05
Company	STL-SF

RELINQUISHED BY:	2.
Signature	
Printed Name	
Company	

RELINQUISHED BY:	3.
Signature	
Printed Name	
Company	

RECEIVED BY:	1.
Signature	1030
Printed Name	1/18/05
Company	STL L.A

RECEIVED BY:	2.
Signature	
Printed Name	
Company	

RECEIVED BY:	3.
Signature	
Printed Name	
Company	



STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 2005-01-0435

CONOCO PHILLIPS #0201

Lot #: E5A200249

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley

Project Manager

January 24, 2005

EXECUTIVE SUMMARY - Detection Highlights

B5A200249

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EXS EFF 01/14/05 14:50 001				
Benzene	80	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	1000	500	ppb (v/v)	EPA-21 TO-14A
EXS INF 01/14/05 14:55 002				
Benzene	1100	16	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	120000	3900	ppb (v/v)	EPA-21 TO-14A
CAR EFF 01/14/05 15:00 003				
Benzene	110	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	8200	500	ppb (v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5A200249

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5A200249

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
G2X29	001	EXS	EFF	01/14/05	14:50
G2X3E	002	EXS	INF	01/14/05	14:55
G2X3F	003	CAR	EFF	01/14/05	15:00

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Client Sample ID: EXS EFF

Lot-Sample #...	E5A200249-001	Work Order #...	G2X291AA	Matrix.....	AE
Date Sampled...	01/14/05	Date Received..	01/19/05		
Prep Date.....	01/22/05	Analysis Date..	01/22/05		
Prep Batch #...	5024403				
Dilution Factor:	1				
Analyst ID.....	117751	Instrument ID..	MSB		
		Method.....	EPA-21 TO-14A		

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
Benzene	80	2.0	ppb (v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb (v/v)	0.50
Methylene chloride	ND	2.0	ppb (v/v)	0.80
Tetrachloroethene	ND	2.0	ppb (v/v)	0.60
TPH (as Gasoline)	1000	500	ppb (v/v)	100
Trichloroethene	ND	2.0	ppb (v/v)	0.50
Vinyl chloride	ND	2.0	ppb (v/v)	0.80

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Client Sample ID: EXS INF

GC/MS Volatiles

Lot-Sample #...: E5A200249-002 Work Order #...: G2X3E1AA Matrix.....: AE
 Date Sampled...: 01/14/05 Date Received...: 01/19/05
 Prep Date.....: 01/22/05 Analysis Date...: 01/22/05
 Prep Batch #...: 5024403
 Dilution Factor: 7.85
 Analyst ID.....: 117751 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	1100	16	ppb (v/v)	6.3
cis-1,2-Dichloroethene	ND	16	ppb (v/v)	6.3
trans-1,2-Dichloroethene	ND	16	ppb (v/v)	3.9
1,1-Dichloroethene	ND	16	ppb (v/v)	3.9
Methylene chloride	ND	16	ppb (v/v)	6.3
Tetrachloroethene	ND	16	ppb (v/v)	4.7
TPH (as Gasoline)	120000	3900	ppb (v/v)	100
Trichloroethene	ND	16	ppb (v/v)	3.9
Vinyl chloride	ND	16	ppb (v/v)	6.3

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Client Sample ID: CAR EFF

GC/MS Volatiles

Lot-Sample #...: E5A200249-003 Work Order #...: G2X3F1AA Matrix.....: AE
 Date Sampled...: 01/14/05 Date Received...: 01/19/05
 Prep Date.....: 01/22/05 Analysis Date...: 01/22/05
 Prep Batch #...: 5024403
 Dilution Factor: 1
 Analyst ID.....: 117751 Instrument ID...: MSB
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	110	2.0	ppb (v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb (v/v)	0.50
Methylene chloride	ND	2.0	ppb (v/v)	0.80
Tetrachloroethene	ND	2.0	ppb (v/v)	0.60
TPH (as Gasoline)	8200	500	ppb (v/v)	100
Trichloroethene	ND	2.0	ppb (v/v)	0.50
Vinyl chloride	ND	2.0	ppb (v/v)	0.80

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TRENT

STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5A200249

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AE	EPA-21 TO-14A		5024403	
002	AE	EPA-21 TO-14A		5024403	
003	AE	EPA-21 TO-14A		5024403	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5A200249
MB Lot-Sample #: M5A240000-403

Work Order #...: G25DP1AA

Matrix.....: AIR

Analysis Date...: 01/21/05
Dilution Factor: 1

Prep Date.....: 01/21/05

Instrument ID...: MSB

Prep Batch #...: 5024403

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb (v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5A200249 Work Order #...: G25DP1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5A240000-403 G25DP1AD-LCSD
 Prep Date.....: 01/21/05 Analysis Date...: 01/21/05
 Prep Batch #...: 5024403
 Dilution Factor: 1 Instrument ID...: MSB
 Analyst ID.....: 117751

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
1,1-Dichloroethene	95	(70 - 125)			EPA-21 TO-14A
	94	(70 - 125)	0.57	(0-20)	EPA-21 TO-14A
Methylene chloride	95	(75 - 120)			EPA-21 TO-14A
	96	(75 - 120)	0.98	(0-20)	EPA-21 TO-14A
Trichloroethene	96	(70 - 125)			EPA-21 TO-14A
	96	(70 - 125)	0.22	(0-20)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5A200249 Work Order #...: G25DP1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5A240000-403 G25DP1AD-LCSD
 Prep Date.....: 01/21/05 Analysis Date...: 01/21/05
 Prep Batch #...: 5024403
 Dilution Factor: 1 Instrument ID...: MSB
 Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.0	47.4	ppb (v/v)	95		EPA-21 TO-14A
	50.0	47.2	ppb (v/v)	94	0.57	EPA-21 TO-14A
Methylene chloride	50.0	47.4	ppb (v/v)	95		EPA-21 TO-14A
	50.0	47.8	ppb (v/v)	96	0.98	EPA-21 TO-14A
Trichloroethene	50.0	48.0	ppb (v/v)	96		EPA-21 TO-14A
	50.0	48.1	ppb (v/v)	96	0.22	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Chain of Custody Record

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

2005-01-0435

CONOCOPHILLIPS
Attn: Olivia Perez
1230 W. Washington, Suite 212
Tempe, AZ 85281

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE:

PAGE: 1 of 1

ADDRESS:

812 W. Mabesh Ave., Eureka CA 95501

PROJECT CONTACT (Photocopy or PDF Report to):

Mike Frost

TELEPHONE:

(707) 441-8855 (707) 441-8877

FAX:

E-MAIL:

CONSIGNEE NAME(S) (Print):

098179.344

TURNAROUND TIME (CALENDAR DAYS):

☒ 14 DAYS ☐ 7 DAYS ☐ 22 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES:

CHECK BOX IF ELD IS NEEDED ☐

CONOCOPHILLIPS SITE NUMBER

0201

SITE ADDRESS (Street and City):

1200 Railroad Ave Eureka CA 95501

USE DELIVERABLE TO GPS or Mapping:

PHONE NO.:

E-MAIL:

CONOCOPHILLIPS SITE MANAGER:

LAB USE ONLY:

REQUESTED ANALYSES:

FIELD NOTES:

Contaminant/Reservative
or PID Readings
or Laboratory Notes

TEMPERATURE RECEIPT C3

150

* Field Point Name only required if different from Sample ID

Sample Identification/Field Point Name*	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.
Exc EFF	1-14-05	1450	air	1
Exc INF		1455		1
Car EFF		1500		1

8015m - TPHd Extractable
8260B - TPHg/BTEX/MtBE
8260B - TPHg / BTEX / 8
Oxygenates
8260B - TPHg / BTEX / 8
oxygenates + methanol (8015M)
8260B - Full Scan VOCs (does not
include oxygenates)
8270C - Semi-Volatiles
8015M / 8021B - TPHg/BTEX/MtBE
Lead ☐ Total ☐ STLC ☐ TCLP
TO-14
Benzene
Vinyl Chloride
Trichloro Ethylene
Dichloro Ethylene
Methyl Chloride

XXXXXX
VVVVVV

Received by (Signature):

1-17-2005

Received by (Signature):

Joan Mulder

Date: 01-18-05

Time: 0945

Received by (Signature):

Received by (Signature):

Date:

Time:

SHN Engineers and Scientists

January 31, 2005

812 West Wabash
Eureka, CA 95501-2138
Attn.: Mike Foget
Project#: 098179.304
Project: Conoco Phillips Site # 0201
Site: 1200 Railroad Ave., Eureka, CA 95501

Attached is our report for your samples received on 01/18/2005 09:45
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
03/04/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager



Submission: 2005-01-0448

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EX EFF	01/14/2005 15:40	Water	1
AS EFF	01/14/2005 15:30	Water	2

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01/31/2005 14:06

Page 1 of 6

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	EX EFF	Lab ID:	2005-01-0448 - 1
Sampled:	01/14/2005 15:40	Extracted:	1/20/2005 07:23
Matrix:	Water	QC Batch#:	2005/01/20-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	7200	50	ug/L	1.00	01/21/2005 07:28	Q2
Surrogate(s)						
o-Terphenyl	81.4	60-130	%	1.00	01/21/2005 07:28	

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Prep(s): 3510/8015M		Test(s): 8015M	
Sample ID: AS EFF		Lab ID: 2005-01-0448 - 2	
Sampled: 01/14/2005 15:30		Extracted: 1/20/2005 07:23	
Matrix: Water		QC Batch#: 2005/01/20-2A.10	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	7800	50	ug/L	1.00	01/21/2005 07:55	Q2
Surrogate(s)						
o-Terphenyl	78.2	60-130	%	1.00	01/21/2005 07:55	

Diesel

SHN Engineers and Scientists

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Eureka, CA 95501-2138

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Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Method Blank

Water

QC Batch # 2005/01/20-2A.10

MB: 2005/01/20-2A.10-001

Date Extracted: 01/20/2005 07:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	01/21/2005 02:00	
Surrogates(s)					
o-Terphenyl	79.1	60-130	%	01/21/2005 02:00	

Diesel

SHN Engineers and Scientists

Attn.: Mike Foget

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Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report											
Prep(s): 3510/8015M								Test(s): 8015M			
Laboratory Control Spike				Water			QC Batch # 2005/01/20-2A.10				
LCS	2005/01/20-2A.10-002			Extracted: 01/20/2005			Analyzed: 01/21/2005 02:27				
LCSD	2005/01/20-2A.10-003			Extracted: 01/20/2005			Analyzed: 01/21/2005 02:54				
Compound	Conc.		ug/L	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD			LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	902	908		1000	90.2	90.8	0.7	60-130	25		
Surrogates(s)											
o-Terphenyl	17.7	17.8		20.0	88.3	89.1		60-130			

Diesel

SHN Engineers and Scientists

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Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.



Submission: 2005-01-0448

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EX EFF	01/14/2005 15:40	Water	1
AS EFF	01/14/2005 15:30	Water	2

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Page 1 of 10

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

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Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX EFF	Lab ID: 2005-01-0448 - 1
Sampled: 01/14/2005 15:40	Extracted: 1/22/2005 02:37
Matrix: Water	QC Batch#: 2005/01/21-2E.65
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	17000	1000	ug/L	20.00	01/22/2005 02:37	
Benzene	54	10	ug/L	20.00	01/22/2005 02:37	
Toluene	26	10	ug/L	20.00	01/22/2005 02:37	
Ethylbenzene	100	10	ug/L	20.00	01/22/2005 02:37	
Total xylenes	340	20	ug/L	20.00	01/22/2005 02:37	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	20.00	01/22/2005 02:37	
Surrogate(s)						
1,2-Dichloroethane-d4	104.5	73-130	%	20.00	01/22/2005 02:37	
Toluene-d8	98.9	81-114	%	20.00	01/22/2005 02:37	

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Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

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Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Prep(s): 5030B	Test(s): 8260B
Sample ID: AS EFF	Lab ID: 2005-01-0448 - 2
Sampled: 01/14/2005 15:30	Extracted: 1/22/2005 03:04 1/27/2005 15:36
Matrix: Water	QC Batch#: 2005/01/21-2E.65 2005/01/27-1A.62
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	3700	250	ug/L	5.00	01/27/2005 15:36	
Benzene	ND	1.0	ug/L	2.00	01/22/2005 03:04	
Toluene	1.2	1.0	ug/L	2.00	01/22/2005 03:04	
Ethylbenzene	24	1.0	ug/L	2.00	01/22/2005 03:04	
Total xylenes	ND	2.0	ug/L	2.00	01/22/2005 03:04	
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	2.00	01/22/2005 03:04	
Surrogate(s)						
1,2-Dichloroethane-d4	97.3	73-130	%	5.00	01/27/2005 15:36	
1,2-Dichloroethane-d4	107.8	73-130	%	2.00	01/22/2005 03:04	
Toluene-d8	89.9	81-114	%	5.00	01/27/2005 15:36	
Toluene-d8	104.1	81-114	%	2.00	01/22/2005 03:04	

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

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Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/01/21-2E.65

MB: 2005/01/21-2E.65-002

Date Extracted: 01/21/2005 21:02

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	01/21/2005 21:02	
Benzene	ND	0.5	ug/L	01/21/2005 21:02	
Toluene	ND	0.5	ug/L	01/21/2005 21:02	
Ethylbenzene	ND	0.5	ug/L	01/21/2005 21:02	
Total xylenes	ND	1.0	ug/L	01/21/2005 21:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/21/2005 21:02	
Surrogates(s)					
1,2-Dichloroethane-d4	92.8	73-130	%	01/21/2005 21:02	
Toluene-d8	97.2	81-114	%	01/21/2005 21:02	

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01/30/2005 12:46

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/01/27-1A.62-002

Water

Test(s): 8260B

QC Batch # 2005/01/27-1A.62

Date Extracted: 01/27/2005 09:01

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	01/27/2005 09:01	
Benzene	ND	0.5	ug/L	01/27/2005 09:01	
Toluene	ND	0.5	ug/L	01/27/2005 09:01	
Ethylbenzene	ND	0.5	ug/L	01/27/2005 09:01	
Total xylenes	ND	1.0	ug/L	01/27/2005 09:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/27/2005 09:01	
Surrogates(s)					
1,2-Dichloroethane-d4	93.0	73-130	%	01/27/2005 09:01	
Toluene-d8	90.4	81-114	%	01/27/2005 09:01	

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01/30/2005 12:46

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/01/21-2E.65

LCS 2005/01/21-2E.65-027

Extracted: 01/21/2005

Analyzed: 01/21/2005 21:27

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.4		25	93.6			65-165	20		
Benzene	23.7		25	94.8			69-129	20		
Toluene	24.4		25	97.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	392		500	78.4			73-130			
Toluene-d8	478		500	95.6			81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/30/2005 12:46

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/01/27-1A.62

LCS 2005/01/27-1A.62-040

Extracted: 01/27/2005

Analyzed: 01/27/2005 08:39

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.9		25	91.6			65-165	20		
Benzene	21.4		25	85.6			69-129	20		
Toluene	24.2		25	96.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	444		500	88.8			73-130			
Toluene-d8	458		500	91.6			81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/30/2005 12:46

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/01/21-2E.65

MS/MSD

Lab ID: 2005-01-0479 - 001

MS: 2005/01/21-2E.65-018

Extracted: 01/21/2005

Analyzed: 01/21/2005 22:18

Dilution: 1.00

MSD: 2005/01/21-2E.65-044

Extracted: 01/21/2005

Analyzed: 01/21/2005 22:44

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.0	30.5	ND	25	96.0	122.0	23.9	65-165	20		R1
Benzene	22.0	28.9	ND	25	88.0	115.6	27.1	69-129	20		R1
Toluene	21.3	27.8	ND	25	85.2	111.2	26.5	70-130	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	439	414		500	87.8	82.8		73-130			
Toluene-d8	476	492		500	95.2	98.4		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/30/2005 12:46

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/01/27-1A.62

MS/MSD

Lab ID: 2005-01-0576 - 003

MS: 2005/01/27-1A.62-039

Extracted: 01/27/2005

Analyzed: 01/27/2005 10:39

Dilution: 1.00

MSD: 2005/01/27-1A.62-001

Extracted: 01/27/2005

Analyzed: 01/27/2005 11:01

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.7	25.8	2.02	25	90.7	103.2	12.9	65-165	20		
Benzene	19.1	19.5	ND	25	76.4	78.0	2.1	69-129	20		
Toluene	21.1	20.9	ND	25	84.4	83.6	1.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	467	466		500	93.4	93.2		73-130			
Toluene-d8	429	436		500	85.8	87.2		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/30/2005 12:46

Gas/BTEX/MTBE by 8260B

SHN Engineers and Scientists

Attn.: Mike Foget

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.304

Conoco Phillips Site # 0201

Received: 01/18/2005 09:45

Site: 1200 Railroad Ave., Eureka, CA 95501

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

R1

Analyte RPD was out of QC limits.

SHN Engineers and Scientists

March 14, 2005

812 West Wabash
Eureka, CA 95501-2138
Attn.: Mike Foget
Project#: 098179.304
Project: Conoco Phillips# 0201
Site: 1200 Railroad Ave. Eureka CA 95501

Attached is our report for your samples received on 03/01/2005 09:15
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
04/15/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

March 09, 2005

STL LOT NUMBER: **E5C030364**
PO/CONTRACT: 2005-03-0005

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566



STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

Dear Dimple Sharma,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on March 2, 2005. These samples are associated with your ConocoPhillips Site #0201 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000015

This report contains _____ pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,


Beth Riley
Project Manager

cc: Project File



**STL****Chain of Custody**E5C030364
Date Shipped: 3/1/2005**2005-03-0005 - 1**

From:
STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:
STL Los Angeles - Sub contract
1721 South Grand Avenue
Santa Ana, CA 92705

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext:
Fax: (714) 258-0921
Contact: Sample Control
Phone: (714) 258-8610 Ext:

CL Submission #: 2005-03-0005
CL PO #:

Project #: 098179.304
Project Name: Conoco Phillips# 0201

Client Sample ID	CL#	Sampled	Matrix	TAT
Analysis			Method	
EXS EFF	1	2/25/2005 11:05:00AM	Air	
Subcontract - TO-14 (Air samples) /*TO-14,BENZENE,VINYL CHLORIDE,TRICHL ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
EXS INF	2	2/25/2005 11:15:00AM	Air	
Subcontract - TO-14 (Air samples) /*TO-14,BENZENE,VINYL CHLORIDE,TRICHL ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day
CAR EFF	3	2/25/2005 11:10:00AM	Air	
Subcontract - TO-14 (Air samples) /*TO-14,BENZENE,VINYL CHLORIDE,TRICHL ETHYLENE, DRICHLOR ETHYLENE, METHYL CHLORIDE*/			TO-14	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY:	1.
Signature <i>Bryce Thomas</i>	Time 14:30
Printed Name Bryce Thomas	Date 3/1/05
Company STL-SF	

RELINQUISHED BY:	2.
Signature	Time
Printed Name	Date
Company	

RELINQUISHED BY:	3.
Signature	Time
Printed Name	Date
Company	

RECEIVED BY:	1.
Signature <i>K. Freitag</i>	Time 1030
Printed Name K. Freitag	Date 3/2/05
Company STL	

RECEIVED BY:	2.
Signature	Time
Printed Name	Date
Company	

RECEIVED BY:	3.
Signature	Time
Printed Name	Date
Company	



Analytical Report

ANALYTICAL REPORT

PROJECT NO. 098179.304

ConocoPhillips Site #0201

Lot #: E5C030364

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

March 9, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5C030364

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EKS INF 02/25/05 11:15 002				
Benzene	270	4.4	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	22000	1100	ppb (v/v)	EPA-21 TO-14A
CAR EFF 02/25/05 11:10 003				
Benzene	97	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	4300	500	ppb (v/v)	EPA-21 TO-14A

ANALYTICAL METHODS SUMMARY

E5C030364

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by TO-14A	EPA-21 TO-14A

References:

EPA-21 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

SAMPLE SUMMARY

E5C030364

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
G5HF3	001	EXS	EFF	02/25/05	11:05
G5HF7	002	EXS	INF	02/25/05	11:15
G5HF8	003	CAR	EFF	02/25/05	11:10

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: EKS EFF

GC/MS Volatiles

Lot-Sample #...: E5C030364-001 Work Order #...: G5HF31AA Matrix.....: AE
 Date Sampled...: 02/25/05 Date Received...: 03/02/05
 Prep Date.....: 03/07/05 Analysis Date...: 03/07/05
 Prep Batch #...: 5067409
 Dilution Factor: 1
 Analyst ID.....: 101605 Instrument ID...: MSA
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	ND	2.0	ppb (v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb (v/v)	0.50
Methylene chloride	ND	2.0	ppb (v/v)	0.80
Tetrachloroethene	ND	2.0	ppb (v/v)	0.60
TPH (as Gasoline)	ND	500	ppb (v/v)	100
Trichloroethene	ND	2.0	ppb (v/v)	0.50
Vinyl chloride	ND	2.0	ppb (v/v)	0.80

STL SAN FRANCISCO

Client Sample ID: EXS INF

GC/MS Volatiles

Lot-Sample #....: E5C030364-002 Work Order #....: G5HF71AA Matrix.....: AE
 Date Sampled....: 02/25/05 Date Received...: 03/02/05
 Prep Date.....: 03/07/05 Analysis Date...: 03/07/05
 Prep Batch #....: 5067409
 Dilution Factor: 2.18
 Analyst ID.....: 101605 Instrument ID...: MSA
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	270	4.4	ppb (v/v)	1.7
cis-1,2-Dichloroethene	ND	4.4	ppb (v/v)	1.7
trans-1,2-Dichloroethene	ND	4.4	ppb (v/v)	1.1
1,1-Dichloroethene	ND	4.4	ppb (v/v)	1.1
Methylene chloride	ND	4.4	ppb (v/v)	1.7
Tetrachloroethene	ND	4.4	ppb (v/v)	1.3
TPH (as Gasoline)	22000	1100	ppb (v/v)	220
Trichloroethene	ND	4.4	ppb (v/v)	1.1
Vinyl chloride	ND	4.4	ppb (v/v)	1.7

STL SAN FRANCISCO

Client Sample ID: CAR KFF

GC/MS Volatiles

Lot-Sample #....: E5C030364-003 Work Order #....: G5HF81AA Matrix.....: AE
 Date Sampled....: 02/25/05 Date Received...: 03/02/05
 Prep Date.....: 03/07/05 Analysis Date...: 03/07/05
 Prep Batch #....: 5067409
 Dilution Factor: 1
 Analyst ID.....: 101605 Instrument ID...: MSA
 Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Benzene	97	2.0	ppb (v/v)	0.80
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.80
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	0.50
1,1-Dichloroethene	ND	2.0	ppb (v/v)	0.50
Methylene chloride	ND	2.0	ppb (v/v)	0.80
Tetrachloroethene	ND	2.0	ppb (v/v)	0.60
TPH (as Gasoline)	4300	500	ppb (v/v)	100
Trichloroethene	ND	2.0	ppb (v/v)	0.50
Vinyl chloride	ND	2.0	ppb (v/v)	0.80



STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5C030364

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AE	EPA-21 TO-14A		5067409	
002	AE	EPA-21 TO-14A		5067409	
003	AE	EPA-21 TO-14A		5067409	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5C030364
MB Lot-Sample #: M5C080000-409

Work Order #...: G5RHP1AA

Matrix.....: AIR

Analysis Date...: 03/07/05
Dilution Factor: 1

Prep Date.....: 03/07/05

Instrument ID...: MSA

Prep Batch #...: 5067409

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
cis-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
trans-1,2-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
1,1-Dichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Methylene chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Tetrachloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
TPH (as Gasoline)	ND	500	ppb (v/v)	EPA-21 TO-14A
Trichloroethene	ND	2.0	ppb (v/v)	EPA-21 TO-14A
Vinyl chloride	ND	2.0	ppb (v/v)	EPA-21 TO-14A

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E5C030364 Work Order #...: G5RHP1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: MSC080000-409 G5RHP1AD-LCSD
 Prep Date.....: 03/07/05 Analysis Date...: 03/07/05
 Prep Batch #...: 5067409
 Dilution Factor: 1 Instrument ID...: MSA
 Analyst ID.....: 101605

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
1,1-Dichloroethene	101	(70 - 125)			EPA-21 TO-14A
	100	(70 - 125)	1.8	(0-20)	EPA-21 TO-14A
Methylene chloride	97	(75 - 120)			EPA-21 TO-14A
	95	(75 - 120)	1.6	(0-20)	EPA-21 TO-14A
Trichloroethene	99	(70 - 125)			EPA-21 TO-14A
	99	(70 - 125)	0.40	(0-20)	EPA-21 TO-14A

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5C030364 Work Order #...: G5RHP1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M5C080000-409 G5RHP1AD-LCSD
 Prep Date.....: 03/07/05 Analysis Date...: 03/07/05
 Prep Batch #...: 5067409
 Dilution Factor: 1 Instrument ID...: MSA
 Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	50.5	51.2	ppb (v/v)	101		EPA-21 TO-14A
	50.5	50.3	ppb (v/v)	100	1.8	EPA-21 TO-14A
Methylene chloride	54.5	52.6	ppb (v/v)	97		EPA-21 TO-14A
	54.5	51.8	ppb (v/v)	95	1.6	EPA-21 TO-14A
Trichloroethene	49.5	48.9	ppb (v/v)	99		EPA-21 TO-14A
	49.5	49.1	ppb (v/v)	99	0.40	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Chain Of Custody Record

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

2005-03-0005

CONOCOPHILLIPS
Attn: Olivia Perez
1230 W. Washington, Suite 212
Tempe, AZ 85281

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 2/25/05

PAGE: 1 of 1

SAMPLING COMPANY: SHN

VALID VALUE ID:

CONOCOPHILLIPS SITE NUMBER: 0201

GLOBAL ID NO.:

CONOCOPHILLIPS SITE MANAGER:

ADDRESS: 813 W. McComb Ave Eureka CA 95501

PROJECT CONTACT (Indicate as per Report to): Mike Fogert

TELEPHONE: (707) 441-2855

1200 Railroad Ave Eureka CA 95501

FAX: (707) 441-2877

E-MAIL:

SAMPLER NAME(S) (Print):

CONSULTANT PROJECT NUMBER: 098179.349

REQUESTED ANALYSES

TURNAROUND TIME (CALENDAR DAYS):

☒ 14 DAYS ☐ 7 DAYS ☐ 21 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES:

CHECK BOX IF FIELD SUCCEEDED ☐

FIELD NOTES:
Contains/Preservative
or PID Readings
or Laboratory Notes

* Field Point name only required if different from Sample ID

8015m - TPHd Extractable
8260B - TPHg/BTEX/MtBE
8260B - TPHg / BTEX / 8
Oxygenates
8260B - TPHg / BTEX / 8
oxygenates + methanol (8015M)
8260B - Full Scan VOCs (does not
include oxygenates)
8270C - Semi-Volatiles
8015M / 8021B - TPHg/BTEX/MtBE
Lead ☐ Total ☐ STLC ☐ TCCLP
TO-14
Benzene
Vinyl Chloride
Trichloro Ethylene
Dichloro Ethylene
Methyl Chloride

TEMPERATURE ON RECEIPT: 17°

LAB USE ONLY

Sample Identification/Field Point Name*

SAMPLING DATE

TIME

MATRIX

NO. OF CONT.

TIME

TIME

TIME

TIME

TIME

ESS EFF
EXS INF
CAR EFF

2/25/05 1105
1115
1110

1
1
1

1
1
1

1
1
1

1
1
1

1
1
1

1
1
1

1
1
1

1
1
1

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

Revised by (Signature):

SHN Engineers and Scientists

March 16, 2005

812 West Wabash
Eureka, CA 95501-2138
Attn.: Roland Rueber
Project#: 098179.0305
Project: Conoco Phillips# 0201
Site: 1200 Railroad Ave. Eureka, CA

Attached is our report for your samples received on 03/01/2005 09:15
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
04/15/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Gas/BTEX Compounds by 8015M/8021

SHN Engineers and Scientists

Attn.: Roland Rueber

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.0305

Conoco Phillips# 0201

Received: 03/01/2005 09:15

Site: 1200 Railroad Ave. Eureka, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-29	02/22/2005 11:15	Water	1
MW-24	02/22/2005 14:15	Water	6
MW-7	02/22/2005 16:00	Water	8
MW-5	02/23/2005 12:15	Water	10
MW-4	02/23/2005 13:10	Water	12
MW-34	02/23/2005 15:15	Water	15
MW-17	02/23/2005 16:10	Water	16
MW-32	02/23/2005 16:20	Water	17
MW-3	02/23/2005 17:00	Water	18
MW-15	02/24/2005 10:05	Water	21
MW-27	02/24/2005 10:25	Water	22
MW-26	02/24/2005 11:00	Water	23
EW-4	02/24/2005 13:55	Water	24
EW-3	02/24/2005 14:10	Water	25
EW-5	02/24/2005 14:25	Water	26
EW-6	02/24/2005 14:40	Water	27
EW-2	02/24/2005 14:50	Water	28
EW-7	02/24/2005 15:00	Water	29
EW-8	02/24/2005 15:10	Water	30
EW-9	02/24/2005 15:25	Water	31
EW-10	02/24/2005 15:40	Water	32
EW-11	02/24/2005 15:55	Water	33
EW-1	02/24/2005 16:10	Water	34
EW-12	02/24/2005 16:30	Water	35

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03/14/2005 15:13

Gas/BTEX Compounds by 8015M/8021

SHN Engineers and Scientists

Attn.: Roland Rueber

812 West Wabash

Eureka, CA 95501-2138

Phone: (707) 441-8855 Fax: (707) 441-8877

Project: 098179.0305

Conoco Phillips# 0201

Received: 03/01/2005 09:15

Site: 1200 Railroad Ave. Eureka, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-29	Lab ID: 2005-03-0011 - 1
Sampled: 02/22/2005 11:15	Extracted: 3/3/2005 23:37
Matrix: Water	QC Batch#: 2005/03/03-01,05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/03/2005 23:37	
Benzene	ND	0.50	ug/L	1.00	03/03/2005 23:37	
Toluene	ND	0.50	ug/L	1.00	03/03/2005 23:37	
Ethyl benzene	ND	0.50	ug/L	1.00	03/03/2005 23:37	
Xylene(s)	ND	0.50	ug/L	1.00	03/03/2005 23:37	
MTBE	ND	5.0	ug/L	1.00	03/03/2005 23:37	
Surrogate(s)						
Trifluorotoluene	99.3	58-124	%	1.00	03/03/2005 23:37	
4-Bromofluorobenzene-FID	85.0	50-150	%	1.00	03/03/2005 23:37	

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Project: 098179.0305

Conoco Phillips# 0201

Received: 03/01/2005 09:15

Site: 1200 Railroad Ave. Eureka, CA

Prep(s): 5030	Test(s): 8015M
Sample ID: MW-24	Lab ID: 2005-03-0011 - 6
Sampled: 02/22/2005 14:15	Extracted: 3/4/2005 00:10
Matrix: Water	QC Batch#: 2005/03/03-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/04/2005 00:10	
Surrogate(s)						
4-Bromofluorobenzene-FID	82.3	50-150	%	1.00	03/04/2005 00:10	

Gas/BTEX Compounds by 8015M/8021

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Project: 098179.0305

Conoco Phillips# 0201

Received: 03/01/2005 09:15

Site: 1200 Railroad Ave. Eureka, CA

Prep(s): 5030	Test(s): 8015M
Sample ID: MW-7	Lab ID: 2005-03-0011 - 8
Sampled: 02/22/2005 16:00	Extracted: 3/4/2005 00:43
Matrix: Water	QC Batch#: 2005/03/03-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	84	50	ug/L	1.00	03/04/2005 00:43	Q1
Surrogate(s)						
4-Bromofluorobenzene-FID	85.9	50-150	%	1.00	03/04/2005 00:43	

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Project: 098179.0305

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Received: 03/01/2005 09:15

Site: 1200 Railroad Ave. Eureka, CA

Prep(s): 5030			Test(s): 8015M		
Sample ID: MW-5			Lab ID: 2005-03-0011 - 10		
Sampled: 02/23/2005 12:15			Extracted: 3/4/2005 19:16		
Matrix: Water			QC Batch#: 2005/03/04-01.05		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/04/2005 19:16	
Surrogate(s)						
4-Bromofluorobenzene-FID	87.0	50-150	%	1.00	03/04/2005 19:16	

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Project: 098179.0305

Conoco Phillips# 0201

Received: 03/01/2005 09:15

Site: 1200 Railroad Ave. Eureka, CA

Prep(s): 5030	Test(s): 8015M
Sample ID: MW-4	Lab ID: 2005-03-0011 - 12
Sampled: 02/23/2005 13:10	Extracted: 3/4/2005 20:54
Matrix: Water	QC Batch#: 2005/03/04-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/04/2005 20:54	
Surrogate(s)						
4-Bromofluorobenzene-FID	86.3	50-150	%	1.00	03/04/2005 20:54	

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Project: 098179.0305

Conoco Phillips# 0201

Received: 03/01/2005 09:15

Site: 1200 Railroad Ave. Eureka, CA

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-34	Lab ID: 2005-03-0011 - 15
Sampled: 02/23/2005 15:15	Extracted: 3/8/2005 15:07
Matrix: Water	QC Batch#: 2005/03/08-01,05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	380	50	ug/L	1.00	03/08/2005 15:07	Q1
Benzene	2.6	0.50	ug/L	1.00	03/08/2005 15:07	
Toluene	ND	0.50	ug/L	1.00	03/08/2005 15:07	
Ethyl benzene	1.5	0.50	ug/L	1.00	03/08/2005 15:07	
Xylene(s)	1.3	0.50	ug/L	1.00	03/08/2005 15:07	
MTBE	ND	5.0	ug/L	1.00	03/08/2005 15:07	
Surrogate(s)						
Trifluorotoluene	99.7	58-124	%	1.00	03/08/2005 15:07	
4-Bromofluorobenzene-FID	103.7	50-150	%	1.00	03/08/2005 15:07	

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